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November 30, 1964

INVOICE NO. 5

For services rendered on: Contract

From:

To: U. S. Government

Services rendered:

Principal Associate

Task I

Task II

Total Services

Direct Costs:

Travel

Other Direct Costs

Total Direct Costs

Invoice Total

Above services rendered and above costs incurred in performance of the contract.

Certified as received and accepted:

MC *22 Dec 64*
Technical Representative of the Contracting Officer

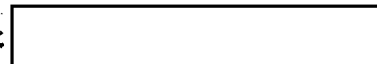
Declass Review by NGA.

November 30, 1964



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Monthly letter progress report - Contract



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LOG OF ACTIVITIES

Tuesday, Nov. 3, 1964 (1/4 day Task II)

Review metallurgical data and organize form of report of Item 1, Task II.

Thursday, Nov. 5, 1964 (7 hours, Task II)

Preparation of preliminary report on metallurgical data, Item 1, Task II.

Friday, Nov. 6, 1964 (1 day Task II)

Preparation of preliminary report on metallurgical data, Item 1, Task II and on radiation of closed circuit TV equipment, Item 2, Task II.

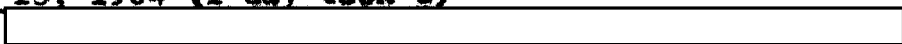
Tuesday, Nov. 10, 1964 (1/4 day, Task I)

Make appointments for visitations.

Wednesday, Nov. 11, 1964 (1/2 day Task II)

Review further data on sub-micron measuring, Item 1, Task II.

Friday, Nov. 13, 1964 (1 day Task I)

Visitation: 
preparation of reports.

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Monday, Nov. 16, 1964 (3/4 day Task I)

Visitation: 


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Tuesday, Nov. 17, 1964 (1 day Task I)

Visitation: 



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Thursday, Nov. 19, 1964 (3/4 day Task II)

Collect data on closed circuit TV, Item 2, Task II.

Friday, Nov. 20, 1964 (1/2 day Task I, 1/2 day Task II)

Visitation:  Preparation of report on Item 2, Task II.

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Tuesday, Nov. 24, 1964 (1 day Task II)

Collect data on closed circuit TV equipment, Item 2, Task II.

Monday, Nov. 30, 1964 (1 day Task II)

Preparation of report on closed circuit TV equipment, Item 2, Task II.

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COMMENTS ON STATUS

A preliminary technical report was submitted on Item 1 "Submicron Measurement Error Analysis" of Task II. The report covered the properties: a) Modulus of elasticity; b) Density; c) Thermal conductivity; d) Thermal coefficient of linear expansion; e) Thermal capacity of the materials named in the task: a) Meehanite, b) Steel, c) Granite, d) Aluminum, e) Magnesium, and f) Glass. In the next period, further search will be made for numerical data on damping, ductility, and dimensional stability of the specified materials.

A preliminary technical report on Item 2 "Signal strength of broadcast radiation of closed-circuit TV" of Task II was submitted. The available data on emanations from commercial equipment was presented and reviewed against the requirements of Fed Std No. 222. Data regarding screen rooms and test equipment available for testing to Fed Std No. 222 were presented along with rental cost information.

In the next period further work will be done to define a pilot test program to determine if commercial shelf items of closed-circuit TV equipment conform to the intent of Fed Std No. 222.

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